CLAIMS:

1. An optical recording medium comprising a support substrate, a light transmission layer formed on a side of a light incidence plane through which a laser beam is projected and which comprises at least one light transmission film and a recording layer located between the support substrate and the light transmission layer and containing an organic dye as a primary component, the at least one light transmission film having Vickers hardness of 30 mgf/μm^2 to 50 mgf/μm^2 with respect to a load of 200 mgf.

2. An optical recording medium in accordance with Claim 1, wherein the at least one light transmission film has Vickers hardness of 33 mgf/μm^2 to 50 mgf/μm^2.

3. An optical recording medium in accordance with Claim 2, wherein the at least one light transmission film has Vickers hardness of 33 mgf/μm^2 to 42 mgf/μm^2.

4. An optical recording medium in accordance with Claim 1, wherein the at least one light transmission film is formed so as to have a thickness of 0.5 μm to 100 μm.

5. An optical recording medium in accordance with Claim 1, wherein the light transmission layer comprises a first light transmission film which is located on the side of the recording layer and has Vickers hardness of 30 mgf/μm^2 to 50 mgf/μm^2 with respect to a load of 200 mgf and a second light transmission film located on the side of the light incidence plane through which a laser beam enters.

6. An optical recording medium in accordance with Claim 5, wherein the first light transmission film has Vickers hardness of 33 mgf/μm^2 to 50 mgf/μm^2.

7. An optical recording medium in accordance with Claim 6, wherein the first light transmission film has Vickers hardness of 33 mgf/μm^2 to 42 mgf/μm^2.

8. An optical recording medium in accordance with Claim 5, wherein the first light transmission film so as to have a thickness of 0.5 μm to 100 μm.

9. An optical recording medium in accordance with Claim 5, wherein the second light transmission film has hardness lower than that of the first light transmission film.

10. An optical recording medium in accordance with Claim 5, wherein each of the first light transmission film and the second light transmission film is formed by applying a resin solution using a spin coating process.

11. An optical recording medium in accordance with Claim 5, wherein the first light transmission film is constituted as an adhesive layer formed of a light transmittable adhesive agent layer and the second light transmission film is formed by adhering a light transmittable sheet onto the adhesive layer.

12. An optical recording medium in accordance with Claim 1, wherein

the thickness of the light transmission layer is equal to or thicker than 10 μm and equal to or thinner than 300 μm.

13. An optical recording medium in accordance with Claim 5, wherein the thickness of the light transmission layer is equal to or thicker than 10 μm and equal to or thinner than 300 μm.

14. An optical recording medium in accordance with Claim 1, which further comprises a reflective layer between the support substrate and the recording layer.

15. An optical recording medium in accordance with Claim 5, which further comprises a reflective layer between the support substrate and the recording layer.

16. An optical recording medium in accordance with Claim 1, which further comprises a cap layer between the light transmission layer and the recording layer.

17. An optical recording medium in accordance with Claim 5, which further comprises a cap layer between the light transmission layer and the recording layer.

18. An optical recording medium in accordance with Claim 1, wherein the cap layer is formed of a dielectric material so as to have thickness of 10 nm to 150 nm.

19. An optical recording medium in accordance with Claim 5, wherein

the cap layer is formed of a dielectric material so as to have thickness of 10 nm to 150 nm.

20. An optical recording medium in accordance with Claim 1, wherein the cap layer is formed of metal so as to have thickness of 10 nm to 20 nm.

21. An optical recording medium in accordance with Claim 5, wherein the cap layer is formed of metal so as to have thickness of 10 nm to 20 nm.

22. An optical recording medium in accordance with Claim 1, wherein an organic dye contained in the recording layer as a primary component has a refractive index lower than 1.2 or higher than 1.9 with respect to a laser beam having a wavelength of 370 nm to 425 nm and an extinction coefficient equal to or higher than 0.1 and equal to or lower than 1.0 with respect to a laser beam having a wavelength of 370 nm to 425 nm.

23. An optical recording medium in accordance with Claim 5, wherein an organic dye contained in the recording layer as a primary component has a refractive index lower than 1.2 or higher than 1.9 with respect to a laser beam having a wavelength of 370 nm to 425 nm and an extinction coefficient equal to or higher than 0.1 and equal to or lower than 1.0 with respect to a laser beam having a wavelength of 370 nm to 425 nm.

24. An optical recording medium in accordance with Claim 1, wherein the recording layer contains a porphyrin system dye, a mono-methine cyanine system dye or a tri-methine cyanine system dye as a primary component.

25. An optical recording medium in accordance with Claim 5, wherein the recording layer contains a porphyrin system dye, a mono-methine cyanine system dye or a tri-methine cyanine system dye as a primary component.